PATENT COOPERATION TREATY

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

	-					
Applicant's or agent's file reference	FOR FURTHER ACTION See Form PCT/IPEA/416					
117536 USN						
International application No.	International filing date (day/	/month/year)	Priority date (day/month/year)			
PCT/SE2003/001918	10-12-2003					
International Patent Classification (IPC) o	r national classification and IP	C				
See Supplemental Box			1			
Applicant	M Turk are are / house	1\ o+ o1				
Telefonaktiebolaget L	M Ericsson (pub.	I) EL AI				
This report is the international pre- Authority under Article 35 and tr	liminary examination report, e	established by this ording to Article 3	s International Preliminary Examining 66.			
2. This REPORT consists of a total	of 4 sheets, inc	cluding this cover	sheet.			
3. This report is also accompanied b						
			6.11			
	and to the International Bure	_	sheets, as follows:			
sheets of the	description, claims and/or dray	wings which have orized by this Aut	been amended and are the basis of this report hority (see Rule 70.16 and Section 607 of the			
Administrativ	e Instructions).					
sheets which	supersede earlier sheets, but w	vhich this Authori	ty considers contain an amendment that goes , as indicated in item 4 of Box No. I and the			
Supplementa		ppiication as med	, as indicated in item 1 of por item and and			
h Court to the Intermetic	and Russey only) a total of (in	adicate type and n	umber of electronic carrier(s))			
b. [] (sent to the Internation	b (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) , containing a sequence listing and/or tables related thereto, in electronic					
form only, as indicat	ed in the Supplemental Box Re	elating to Sequence	ce Listing (see Section 802 of the			
Administrative Instru						
4. This report contains indications re	elating to the following items:					
Box No. I Basis o	f the report					
Box No. II Priority	,					
Box No. III Non-es	tablishment of opinion with re	egard to novelty, i	nventive step and industrial applicability			
Box No. IV Lack o	f unity of invention	1				
Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial						
applicability; citations and explanations supporting such statement						
Box No. VI Certain documents cited						
Box No. VII Certain defects in the international application						
Box No. VIII Certain observations on the international application						
Date of submission of the demand		ate of completion	of this report			
10-05-2005		13-03-2006				
Name and mailing address of the IPEA/S		uthorized officer	:			
Patent- och registreringsverket Box 5055						
S-102 42 STOCKHOLM		Bo Gustavsson/MN				
Facsimile No. +46, 8, 667, 72, 88		elenhone No. +46	8 782 25 00			

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/SE2003/001918

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Continuation of: Cover sheet

International patent classification (IPC)

H01P 1/18 (2006.01) H03H 7/30 (2006.01)

Form PCT/IPEA/409 (Supplemental Box) (April 2005)

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/SE2003/001918

Box	No. I	Basis of the report				
1.	1. With regard to the language, this report is based on:					
	\boxtimes	the international application in the language in which it was filed				
		a translation of the international application into, which is the language of a translation furnished for the purposes of:				
		international search (Rules 12.3(a) and 23.1(b))				
		publication of the international application (Rule 12.4(a))				
		international preliminary examination (Rules 55.2(a) and/or 55.3(a))				
2.	furnisi	th regard to the elements of the international application, this report is based on (replacement sheets which have been nished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" if are not annexed to this report):				
	\boxtimes	the international application as originally filed/furnished				
		the description:				
		pages as originally filed/furnished				
		pages* received by this Authority on				
		pages* received by this Authority on				
		the claims:				
		pages as originally filed/furnished pages* as amended (together with any statement) under Article 19				
		pages* received by this Authority on				
		pages* received by this Authority on				
		the drawings:				
		pages as originally filed/furnished				
		pages* received by this Authority on				
		pages* received by this Authority on				
		a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.				
3.		The amendments have resulted in the cancellation of:				
		the description, pages				
		the claims, Nos.				
		the drawings, sheets/figs				
		the sequence listing (specify):				
		any table(s) related to the sequence listing (specify):				
4.		This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(e)).				
		the description, pages				
		the claims, Nos.				
		the drawings, sheets/figs				
		the sequence listing (specify):				
		any table(s) related to the sequence listing (specify):				
*	If item	4 applies, some or all of those sheets may be marked "superseded."				

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/SE2003/001918

Box No. V	Reasoned statement u citations and explanat	nder Article 3 ions supporti	ler Article 35(2) with regard to novelty, inventive step or industrial applicability; ns supporting such statement		
1. Statement	t				
Nove	elty (N)	Claims Claims	1-5	YES NO	
Inven	ntive step (IS)	Claims Claims	1-5	YES NO	
Indus	strial applicability (IA)	Claims Claims	1-5	YES NO	
Indus	striai applicability (IA)		1-5		

2. Citations and explanations (Rule 70.7)

Documents cited in the International Search Report:

D1: Proceedings of the Second IEEE Asia Pacific Conference on ASICs, 2000, AP-ASIC 2000, pages 349-350

D2: US 6125157 A1 D3: US 6350335 B1 D4: WO 9943036 A1

The cited documents represent the general state of the art. The invention defined in claims 1-5 is not disclosed by any of these documents.

The cited prior art does not give any indication that would lead a person skilled in the art to the claimed delay-locked loop. Therefore, the claimed invention is not obvious to a person skilled in the art.

Accordingly, the invention defined in claims 1-5 is novel and is considered to involve an inventive step. The invention is industrially applicable.